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April 1965

PHOTOGRAPHIC INTERPRETATION REPORT

17024

OAK - PART III
MISSION 1018-1
26-29 MARCH 1965
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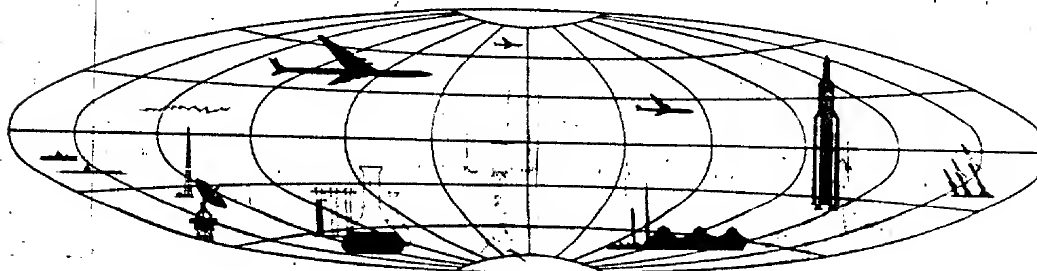
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MISSION 1018-1, 26-29 MAR 65

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OAK - PART III MISSION 1018-1

PREFACE

THIS IS THE THIRD OF SEVERAL OAK REPORTS ON MISSION 1018-1 AND PROVIDES INFORMATION ON THOSE COMMITTEE ON OVERHEAD RECONNAISSANCE (COMOR) TARGETS OBSERVED ON THE PHOTOGRAPHY.

TARGETS ARE ARRANGED IN THE OAK BY SUBJECT AND WITHIN EACH SUBJECT BY COMOR TARGET NUMBER. TARGETS OF OPPORTUNITY OBSERVED DURING THE OAK REPORTING PERIOD ARE LISTED NUMERICALLY UNDER THE APPROPRIATE SUBJECT AFTER THE LISTING OF COMOR TARGETS. LOCATIONS OF TARGETS IN THIS REPORT ARE INDICATED BY THE COUNTRY CODE PRECEDING THE COORDINATES.

SELECTED PHOTOGRAPHIC REFERENCES FOR EACH TARGET OBSERVED AND REPORTED FOLLOW THE DESCRIPTION OF THE TARGET. PASS NUMBERS ARE SUFFIXED WITH EITHER AN A FOR ASCENDING (SOUTH-TO-NORTH) OR D FOR DESCENDING (NORTH-TO-SOUTH). FRAMES ARE INDICATED BY THE LETTERS FR. THE LETTER F PRECEDING FRAME NUMBERS INDICATES THE FORWARD CAMERA, AND THE LETTER A INDICATES THE AFT CAMERA. UNIVERSAL REFERENCE GRID (X-Y) COORDINATES ARE GIVEN IN PARENTHESIS AFTER THE FRAME TO WHICH THEY APPLY. THIS GRID IS IDENTIFIED AS UNIVERSAL GRID NO 1, FEB 64. SYMBOLS INDICATING CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON THE PHOTOGRAPHY ARE AS FOLLOWS -- C (CLEAR), H (HAZE), CS (CLOUD SHADOW), HC (HEAVY CLOUD COVER), SC (SCATTERED CLOUD COVER), SD (SEMDARKNESS), O (OBLIQUITY), S (SNOW), PQ (POOR IMAGE QUALITY).

OAK RECIPIENTS ARE CAUTIONED THAT THE INITIAL SCAN OF THE PHOTOGRAPHY IS BEING ACCOMPLISHED IN A SHORT TIME AND PRIOR TO FINAL REFINEMENT OF EPHEMERAL DATA. CONSEQUENTLY, FUTURE DETAILED ANALYSIS MAY RESULT IN MINOR ALTERATIONS.

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25X1D

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Highlights

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HIGHLIGHTS

1. TYURATAM MISSILE TEST CENTER [REDACTED]

25X1A

THE CENTER IS COMPLETELY COVERED BY CLOUD-FREE PHOTOGRAPHY, BUT HAZE LIMITS INTERPRETATION OF THE WEST HALF OF THE RANGE HEAD. AN OBJECT APPROXIMATELY 105 FT HIGH, POSSIBLY A MISSILE, IS ERECTED ON PAD C1. A POSSIBLE TRANSPORTER IS ALIGNED WITH THE ERECTOR/LAUNCHER ON PAD C3. THEIR OVERALL LENGTH IS 180 FT. THE GANTRIES FOR G4 AND G6 ARE ON THEIR PADS. HAZE AND DARKNESS OF THE IMAGE PRECLUDE DETERMINATION OF WHETHER A MISSILE IS IN EITHER GANTRY. A POSSIBLE MISSILE DOLLY APPROXIMATELY 105 FT LONG IS ON THE RAIL SERVING THE PAD AT H1. AT COMPLEX J, THE HIGH BAY OF THE LARGE BUILDING IS APPROXIMATELY 75 PERCENT ROOFED. THERE ARE 3 ADDITIONAL SHALLOW RECTANGULAR EXCAVATIONS IN THE AREA OF THE CONSTRUCTION ACTIVITY LOCATED APPROXIMATELY 400 FT NW OF THE LARGE EXCAVATION. NEW UNIDENTIFIED CONSTRUCTION ACTIVITY IS OBSERVED 1.5 NM SW OF THE PROPELLANT PRODUCTION PLANT. THIS ACTIVITY IS SIMILAR TO NEW CONSTRUCTION ACTIVITY AT KAPUSTIN YAR AND IT APPEARS THESE 2 ACTIVITIES WILL BE IDENTICAL WHEN COMPLETED.

2. DROVYANAYA ICBM COMPLEX [REDACTED]

25X1A

A NEWLY IDENTIFIED PROBABLE LAUNCH SITE IN AN UNDETERMINED STAGE OF CONSTRUCTION IS LOCATED AT 51-20N 113-04E AND IS DESIGNATED PROBABLE LAUNCH SITE G16.

25X1D

AREA G10 HAS SHOWN NO SIGNS OF ACTIVITY SINCE IT WAS FIRST OBSERVED ON [REDACTED] AND IS NO LONGER CONSIDERED TO BE A SUSPECT LAUNCH SITE.

3. GLADKAYA ICBM COMPLEX [REDACTED]

25X1A

A POSSIBLE NEW GROUP OF LAUNCH SITES HAS BEEN IDENTIFIED APPROXIMATELY 15 NM WNW OF THE CSF. THIS GROUP, DESIGNATED AS POSSIBLE LAUNCH GROUP G, CONSISTS OF 3 POSSIBLE LAUNCH SITES.

4. KAPUSTIN YAR/VLADIMIROVKA MSL TEST CTR [REDACTED]

25X1A

THE ENTIRE CENTER WAS COVERED BY CLEAR FAIR- TO GOOD-QUALITY PHOTOGRAPHY. AIRCRAFT PRESENT AT KAPUSTIN YAR AIRFIELD INCLUDE 12 CAB, 3 CRATE, 9 LIGHT STRAIGHT-WING AND 8 POSSIBLE LIGHT HELICOPTERS. A RAIL-SERVED PROBABLE ERECTOR/LAUNCHER IS SEEN ON LAUNCH PADS 1C-2 AND 1C-3. AN SS4/SS5 MISSILE EXERCISE IS OBSERVED ON THE SOUTHERN PAD OF LAUNCH AREA 2C AND ANOTHER PROBABLE MISSILE EXERCISE IS OBSERVED IN

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LAUNCH AREA 3C. NEW UNIDENTIFIED CONSTRUCTION ACTIVITY SIMILAR TO THAT OBSERVED 1.5 NM SW OF THE PROPELLANT PRODUCTION PLANT, TYURATAM MISSILE TEST CENTER, IS NOTED APPROXIMATELY 0.5 NM NORTH OF THE FORMER ROCKET LAUNCH COMPLEX.

5. SARY-SHAGAN ANTIMISSILE TEST CENTER [REDACTED] 25X1A

ALL FACILITIES AT THE TEST CENTER EXCEPT SITE 13 AND THE POSSIBLE FIELD LAUNCH POINT ARE COVERED ON 2 PASSES BY STEREO PHOTOGRAPHY LIMITED BY HAZE AND IMAGE QUALITY.

6. PAO-TOU SAM SITES (MISSILE BONUS #1 AND #3)

ONE COMPLETED SA-2 SAM SITE AND 1 PROBABLE SA-2 SAM SITE UNDER CONSTRUCTION ARE NEWLY IDENTIFIED. THE COMPLETED SITE IS LOCATED 9.5 NM NNE OF PAO-TOU AT 40-45-20N 110-04-30E AND THE PROBABLE SITE IS LOCATED 41 NM NNW OF PAO-TOU AT 41-14-10N 109-41-00E.

7. DJAKARTA SAM SITE (MISSILE BONUS #2)

A COMPLETED SA-2 SAM SITE IS NEWLY IDENTIFIED 11.5 NM WSW OF DJAKARTA AT 06-14-50S 106-39-00E.

8. BERDICHEV REGIONAL MILITARY STOR INSTLN [REDACTED] 25X1A

25X1D VEHICLE/EQUIPMENT DISPOSITION AND COUNT APPEARS ESSENTIALLY UNCHANGED SINCE [REDACTED]

9. TEMPLIN ARMY BARRACKS VOGELSANG 4823 [REDACTED] 25X1A

25X9

[REDACTED] HOWEVER, 1 FACILITY NOT PREVIOUSLY REPORTED, 1.2 NM SSE, IS STRONGLY SUSPECT.

25X9

STATUS OF COMOR TARGET READOUT

TWENTY-FOUR COMOR TARGETS WERE OBSERVED IN THE OAK REPORTING PERIOD AND ARE CONTAINED IN THIS OAK.

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MISSILES

25X1A

TYURATAM MISSILE TEST CENTER

UR 4538N 06317E

THE CENTER IS COMPLETELY COVERED BY CLOUD-FREE PHOTOGRAPHY, BUT HAZE LIMITS INTERPRETATION OF THE WEST HALF OF THE RANGE HEAD.

LAUNCH COMPLEX A (SITES 1 AND 15) -- A DOME HAS BEEN CONSTRUCTED ON THE TOP OF THE SECOND OF A PAIR OF TRACKING BUILDINGS LOCATED SOUTH OF PAD A1 (SITE 1). AN UNIDENTIFIED OBJECT OR OBJECTS 175 FT IN LENGTH IS ON THE RAIL SERVING PAD A1. NO SIGNIFICANT CHANGE IN PADS A1 AND A2 (SITE 1) OR IN THE SUPPORT FACILITIES SINCE [REDACTED] THE SILO IN LAUNCH AREA A3 (SITE 15) IS BACKFILLED.

25X1D

LAUNCH COMPLEX B (SITES 2, 16, AND 17) -- BUILDINGS ARE UNDER CONSTRUCTION AT THE 2 SQUARE AND 1 RECTANGULAR EXCAVATIONS LOCATED APPROXIMATELY 1,000 FT EAST OF PAD B1 (SITE 2) WHICH WERE REPORTED ON [REDACTED] AN OBJECT APPROXIMATELY 90 FT IN LENGTH IS ON THE RAIL SERVING PAD B1 (SITE 2). THE SILO AT LAUNCH AREA B2 (SITE 16) IS BACKFILLED AND NOW APPEARS SIMILAR TO THOSE OBSERVED AT TYPE IIIA LAUNCH SITES, BUT NO SILO DOOR CAN BE IDENTIFIED. NO SIGNIFICANT CHANGE IN LAUNCH AREA B3 (SITE 17) OR SUPPORT FACILITIES SINCE [REDACTED]

25X1D

25X1D

25X1D

LAUNCH COMPLEX C (SITE 3) -- AN OBJECT APPROXIMATELY 105 FT HIGH, POSSIBLY A MISSILE, IS ERECTED ON PAD C1. A POSSIBLE TRANSPORTER IS ALIGNED WITH THE ERECTOR/LAUNCHER ON PAD C3. THEIR OVERALL LENGTH IS 180 FT. NO SIGNIFICANT CHANGE IN FACILITIES SINCE [REDACTED]

25X1D

LAUNCH COMPLEX D (SITES 4 AND 9) -- NO SIGNIFICANT CHANGE AT EITHER LAUNCH SITE SINCE [REDACTED] THE 2 ARCHED-ROOF BUILDINGS NEAR THE SUPPORT AREA APPEAR TO BE COMPLETE. THE CENTER AND RIGHT SILO DOORS AT D2 (SITE 9) ARE OPEN. THE UNIDENTIFIED CONSTRUCTION IN THE SOUTHERN PART OF THE SECURED AREA AT D2 WHICH WAS REPORTED ON [REDACTED], SHOWS NO CHANGE. THE ACTIVITY CONSISTS OF SMALL SHALLOW EXCAVATIONS AND DITCHING.

25X1D

25X1D

25X1D

LAUNCH COMPLEX E (SITE 6) -- NO SIGNIFICANT CHANGE IN FACILITIES SINCE [REDACTED] NO CHANGE IN THE RAIL EMBANKMENT SINCE [REDACTED]

25X1D

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25X1D

LAUNCH COMPLEX F (SITE 5) -- THE LEGS OF THE PLUS-SHAPED ELECTRONIC FACILITY ARE CLEARLY DELINEATED BY OPEN DITCHING. NO OTHER SIGNIFICANT CHANGE IN FACILITIES SINCE [REDACTED]

25X1D

LAUNCH COMPLEX G (SITES 7, 11, 12, 18 AND 19) -- AN UNIDENTIFIED OBJECT OR OBJECTS, MEASURING APPROXIMATELY 175 FT IN LENGTH, IS ON THE RAIL AT THE SE END OF THE MISSILE ASSEMBLY/CHECKOUT BUILDING IN THE COMPLEX SUPPORT FACILITY.

LAUNCH AREA G1-G2 (SITE 7) -- NO SIGNIFICANT CHANGE SINCE [REDACTED]

25X1D

LAUNCH AREA G3-G4 (SITE 11) -- THE GANTRY FOR G4 IS ON THE PAD. HAZE AND DARKNESS OF THE IMAGE PRECLUDE DETERMINATION OF WHETHER A MISSILE IS IN THE GANTRY. NO SIGNIFICANT CHANGE IN FACILITIES SINCE [REDACTED]

25X1D

25X1D

LAUNCH AREA G5-G6 (SITE 12) -- THE GANTRY IS ON THE PAD AT G6. HAZE AND DARKNESS OF THE IMAGE PRECLUDES DETERMINATION OF WHETHER A MISSILE IS IN THE GANTRY. NO SIGNIFICANT CHANGE IN FACILITIES SINCE [REDACTED]

25X1D

25X1D

LAUNCH AREA G7 (SITE 18) -- NO APPARENT CHANGE SINCE [REDACTED]

25X1D

LAUNCH AREA G8-G9 (SITE 19) -- NO APPARENT CHANGE SINCE [REDACTED]. NO SIGNIFICANT CHANGE SINCE [REDACTED] AT THE COMPLEX SUPPORT FACILITY,

25X9

25X9

REVERTED STORAGE AREA, [REDACTED]. NO SIGNIFICANT CHANGE IN THE AREA OF UNIDENTIFIED CONSTRUCTION SOUTH OF THE [REDACTED] SINCE [REDACTED]

25X9

25X9

25X1D

LAUNCH COMPLEX H (SITE 8) -- A POSSIBLE MISSILE DOLLY, APPROXIMATELY 105 FT LONG, IS ON THE RAIL SERVING THE PAD AT H1. TWO SMALL EARTH-MOUNDED BUILDINGS WITH A ROAD-SERVED HARDSTAND BETWEEN THEM HAVE BEEN CONSTRUCTED AT A POINT APPROXIMATELY 300 FT SSW OF PAD H1. FIRST EVIDENCE OF THIS CONSTRUCTION WAS OBSERVED [REDACTED]

25X1D

25X1D

25X1D

LAUNCH COMPLEX I (SITE 14) -- NO SIGNIFICANT CHANGE [REDACTED]

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COMPLEX J -- THE HIGH BAY OF THE LARGE BUILDING IS APPROXIMATELY 75 PERCENT ROOFED. THE RAIL EMBANKMENT PARALLEL TO THE MAIN ROAD HAS BEEN EXTENDED APPROXIMATELY 0.5 NM AND THE PRESENT TERMINUS CURVES TO THE NNE IN THE GENERAL DIRECTION OF THE LARGE EXCAVATION. THERE ARE 3 ADDITIONAL SHALLOW RECTANGULAR EXCAVATIONS IN THE AREA OF THE CONSTRUCTION ACTIVITY LOCATED APPROXIMATELY 400 FT NW OF THE LARGE EXCAVATION. THIRTEEN MAJOR BUILDINGS ARE STILL UNDER CONSTRUCTION IN THE HOUSING AREA. THE DITCH FROM THE VICINITY OF THE WATER TREATMENT PLANT IN THE MAIN SUPPORT BASE, WHICH WAS REPORTED ON [REDACTED] 25X1D
[REDACTED] NOW TERMINATES IN THE SUPPORT AREA OF COMPLEX J. THE ROAD CONNECTING COMPLEXES A AND J IS COMPLETE. 25X1D

LAUNCH COMPLEX K (SITES 13 AND 20) -- LAUNCH AREA K1-K2 (SITE 13), NO SIGNIFICANT CHANGE SINCE [REDACTED] 25X1D
[REDACTED] LAUNCH AREA K3 (SITE 20), A NEW DITCH EXTENDS SOUTH APPROXIMATELY 400 FT FROM A POINT APPROXIMATELY 200 FT SW OF THE PROBABLE CONTROL FACILITY. THE POINT OF ORIGIN IS INSIDE THE SECURITY FENCE AND THE SOUTH END IS OUTSIDE THE SECURITY FENCE. NO OTHER SIGNIFICANT CHANGE SINCE [REDACTED] 25X1D

POSSIBLE LAUNCH GROUP UNDER CONSTRUCTION (SITES 20-1 THROUGH 20-7) -- THE 7 AREAS OF CONSTRUCTION ACTIVITY IN THE VICINITY OF LAUNCH COMPLEXES F, G, AND K SHOW NO SIGNIFICANT CHANGE. HAZE PRECLUDES AMPLIFICATION OF THE DETAILS REPORTED ON [REDACTED] 25X1D

NEW UNIDENTIFIED CONSTRUCTION ACTIVITY IS OBSERVED 1.5 NM SW OF THE PROPELLANT PRODUCTION PLANT. THIS ACTIVITY WAS NOT PRESENT ON [REDACTED] 25X1D
[REDACTED] BUT WAS ON [REDACTED] THE ACTIVITY IS PARTIALLY FENCED AND A ROAD IS UNDER CONSTRUCTION TO CONNECT WITH THE MAIN ROAD SERVING THE RANGE HEAD. AT PRESENT IT CONSISTS OF A GEOMETRIC CONFIGURATION OF DITCHING AND EXCAVATIONS. A 1,700-FT DITCH, CONSIDERED TO BE A BASELINE, IS ORIENTED ON A NW/SE AZIMUTH. A DITCH, APPROXIMATELY 1,550 FT LONG, EXTENDS FROM EITHER SIDE OF THE BASE LINE AT A POINT 750 FT FROM THE NW END. EACH DITCH IS LAID OUT AT THE SAME ANGLE FROM THE BASE LINE, ABOUT 65 DEGREES. THERE IS PLUS-CONFIGURED DITCHING AT THE NW EXTREMITY OF THE BASE LINE. THE LENGTH OF THESE DITCHES IS APPROXIMATELY 430 FT. THERE ARE AT LEAST 3 STRUCTURES UNDER CONSTRUCTION ADJACENT TO THE BASE LINE. THIS ACTIVITY IS SIMILAR TO NEW CONSTRUCTION ACTIVITY AT KAPUSTIN YAR. IT APPEARS THESE 2 ACTIVITIES WILL BE IDENTICAL WHEN COMPLETED. 25X1D

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25X1D

25X9

NO SIGNIFICANT CHANGE SINCE [REDACTED] AT
[REDACTED] THE PROPELLANT PRODUCTION
PLANT, AND THE MAIN SUPPORT BASE.

PHOTO REFERENCES FOR SIGNIFICANT ITEMS FOLLOW --

25X1D

LAUNCH COMPLEX A --
LAUNCH COMPLEX B --
LAUNCH COMPLEX C --
LAUNCH COMPLEX D --
LAUNCH COMPLEX E --
LAUNCH COMPLEX F --
LAUNCH COMPLEX G --
LAUNCH COMPLEX H --
LAUNCH COMPLEX I --
COMPLEX J --
LAUNCH COMPLEX K --

25X1D

25X1D

(SEE ATTACHMENT)

25X1A

DROVYANAYA ICBM COMPLEX

UR 5131N 11300E

25X1D

25X1D

25X1D

25X1D

ENTIRE COMPLEX COVERED BY GOOD-QUALITY STEREO
PHOTOGRAPHY. NO SIGNIFICANT CHANGES OBSERVED AT --
COMPLEX SUPPORT FACILITY AND RAIL-TO-ROAD TRANSFER
POINT SINCE [REDACTED] LAUNCH AREA A (SITE
1) SINCE [REDACTED] B (SITE 2) SINCE [REDACTED]
[REDACTED] C (SITE 4) SINCE [REDACTED]
[REDACTED] D (SITE 3) SINCE [REDACTED] E
(SITE 5) AND F (SITE 6) SINCE [REDACTED]

25X1D

25X1D

25X1D

25X1D

NO APPARENT CHANGE AT LAUNCH SITES G1-G8 (SITES 7-14)
OR G11-G15 (SITES 18-20) SINCE [REDACTED]
THERE HAS BEEN NO APPARENT CHANGE AT POSSIBLE SITE G9
SINCE IT WAS FIRST IDENTIFIED ON [REDACTED]
SUSPECT AREA G10 HAS SHOWN NO SIGNS OF ACTIVITY SINCE
IT WAS FIRST OBSERVED ON [REDACTED] AND IS
NO LONGER CONSIDERED TO BE A SUSPECT LAUNCH SITE.

25X1D

25X1D

25X1D

25X1D

A NEWLY IDENTIFIED PROBABLE LAUNCH SITE IN AN
UNDETERMINED STAGE OF CONSTRUCTION IS LOCATED AT 51-20N
113-04E, ABOUT 12 NM SSE OF THE COMPLEX SUPPORT
FACILITY. IT CONSISTS OF A DOUBLE-FENCED AREA
CONTAINING AN EXCAVATION AND A POSSIBLE SILO. THIS
AREA IS DESIGNATED PROBABLE LAUNCH SITE G16. ACTIVITY
WAS FIRST OBSERVED ON [REDACTED] AND CAN BE
NEGATED ON [REDACTED] WHEN SUFFICIENT

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EVIDENCE FOR A NEW LAUNCH GROUP HAS DEVELOPED, SEVERAL OF THOSE SITES PRESENTLY ASSIGNED TO LAUNCH GROUP G WILL BE REDESIGNATED. SEVERAL OTHER AREAS OF SUSPICIOUS ACTIVITY ARE PRESENT WITHIN THE COMPLEX.

NO ABM ACTIVITY OBSERVED IN THE EASTERN TWO-THIRDS OF 50-NM-RADIUS SEARCH AREA. WESTERN THIRD NOT COVERED.

25X1D

GLADKAYA ICBM COMPLEX

UR 5605N 09211E

25X1A

A POSSIBLE NEW GROUP OF LAUNCH SITES HAS BEEN IDENTIFIED APPROXIMATELY 15 NM WNW OF THE CSF. THIS GROUP, DESIGNATED AS POSSIBLE LAUNCH GROUP G, CONSISTS OF 3 POSSIBLE LAUNCH SITES.

POSSIBLE LAUNCH SITES G1, G2, AND G3° EACH CONSIST OF A POSSIBLE EXCAVATION LOCATED WITHIN A SECURED AREA. RECENT TRACK ACTIVITY EXISTS THROUGHOUT THE 3 AREAS. ALL 3 POSSIBLE LAUNCH SITES ARE IN EARLY STAGES OF CONSTRUCTION.

POSSIBLE LAUNCH SITE G1 (56-14N 091-44E), LOCATED 18 NM WNW OF THE CSF AND FIRST SEEN ON [REDACTED] CAN BE NEGATED ON [REDACTED]

25X1D
25X1D

POSSIBLE LAUNCH SITE G2 (56-12N 091-43E), LOCATED 17.8 NM WNW OF THE CSF AND FIRST SEEN ON [REDACTED]

25X1D

25X1D

POSSIBLE LAUNCH SITE G3 (56-12N 091-55E), LOCATED 12 NM WNW OF THE CSF AND FIRST SEEN ON [REDACTED] CAN BE NEGATED ON [REDACTED]

25X1D

25X1D

FIVE AREAS OF UNIDENTIFIED ACTIVITY ARE LOCATED IN THE VICINITY.

THE COMPLEX SUPPORT FACILITY, RAIL-TO-ROAD TRANSFER POINT, LAUNCH AREAS A (SITE 3), B (SITE 2), AND D (SITE 5) SHOW NO APPARENT CHANGE SINCE [REDACTED]

25X1D

LAUNCH GROUP F, SITES 1-9 (SITES 7-13), IS IDENTIFICATION ONLY.

NO ABM ACTIVITY OBSERVED IN CLOUD-FREE PORTIONS OF 50-NM-RADIUS SEARCH AREA.

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PHOTO REFERENCES FOR SIGNIFICANT ITEMS FOLLOW --
POSSIBLE LAUNCH SITE G1 -- [REDACTED]
POSSIBLE LAUNCH SITE G2 -- [REDACTED]
POSSIBLE LAUNCH SITE G3 -- [REDACTED]
COMPLEX SUPPORT FACILITY -- [REDACTED]

25X1D

25X1D

25X1A

UZHUR ICBM COMPLEX

UR 5517N 08949E

COMPLEX COVERED BY VERY HAZY PHOTOGRAPHY. COMPLEX SUPPORT FACILITY, RAIL-TO-ROAD TRANSFER POINT, AND LAUNCH AREAS A (SITE 1), B (SITE 2), C (SITE 3), D (SITE 4), E (SITE 5), F (SITE 6), G (SITE 7), H (SITE 8), J (SITE 10), AND K (SITE 11) ARE IDENTIFIED ONLY. LAUNCH AREA I (SITE 9) IS CLOUD COVERED.

NO ABM ACTIVITY OBSERVED WITHIN CLOUD-FREE PORTION OF 50-NM-RADIUS SEARCH AREA.

25X1D

OLOVYANNAYA ICBM COMPLEX

UR 5049N 11550E

THE COMPLEX WAS COVERED BY OBLIQUE PHOTOGRAPHY ON 2 SEPARATE PASSES. [REDACTED] COVERED THE COMPLEX SUPPORT FACILITY, RAIL-TO-ROAD TRANSFER POINT, LAUNCH AREAS A, B, C, LAUNCH SITES D4-D7 AND LAUNCH GROUP E. [REDACTED] COVERED LAUNCH SITES D2, D3, AND D7-D10.

25X1D

25X1D

NO SIGNIFICANT CHANGES OBSERVED AT THE COMPLEX SUPPORT FACILITY SINCE [REDACTED] OR THE TRANSFER POINT SINCE [REDACTED]. NO SIGNIFICANT CHANGE AT LAUNCH AREA A (SITE 1) SINCE [REDACTED] (SITE 3) B (SITE 2) [REDACTED] (SITE 3)

25X1D

25X1D

25X1D

25X1D

25X1D

25X1D

SINCE [REDACTED] AT LAUNCH GROUP D SITES D1 (SITE 4), D4 (SITE 8), D5 (SITE 9), D6 (SITE 10), D7 (SITE 6) AND D8 (SITE 12) WERE IDENTIFICATION ONLY. NO SIGNIFICANT CHANGE OBSERVED AT SITES D2 (SITE 5), D3 (SITE 7), D9 (SITE 13) AND D10 (SITE 11) SINCE MISSION [REDACTED] THESE SITES REMAIN IN A MID-STAGE OF CONSTRUCTION BUT OBLIQUITY PRECLUDES A MORE DETAILED INTERPRETATION.

AT LAUNCH GROUP E, SITES E1 (SITE 17), E3 (SITE 15), E4 (SITE 16) AND E5 (SITE 19) WERE IDENTIFICATION ONLY. NO SIGNIFICANT CHANGE OBSERVED AT LAUNCH SITES E2 (SITE

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14), E6 (SITE 18), E7 (SITE 20), E8 (SITE 21), E9 (SITE 22) OR E10 (SITE 23) SINCE [REDACTED] BUT OBLIQUITY PRECLUDES A MORE DETAILED INTERPRETATION.

NO ABM ACTIVITY OBSERVED WITHIN 50-NM-RADIUS SEARCH AREA.

25X1D

[REDACTED]

25X1A

TATISHCHEVO ICBM COMPLEX

UR 5140N 04534E

COMPLEX IS PARTIALLY COVERED BY VERY SMALL-SCALE, OBLIQUE PHOTOGRAPHY. THE COMPLEX SUPPORT FACILITY, RAIL-TO-ROAD TRANSFER POINT, AND LAUNCH GROUPS A (SITES 1-3, 5-11) AND B (SITES 12-17, 19-21, 30) ARE IDENTIFICATION ONLY. ALL SITES, INCLUDING SUSPECT AREAS WHICH ARE WEST OF SITES B7 (SITE 13) AND B9 (SITE 21), ARE NOT COVERED.

NO ABM ACTIVITY IDENTIFIED IN EASTERN HALF OF 50-NM SEARCH AREA.

PHOTO REFERENCES FOR SIGNIFICANT ITEMS FOLLOW --

25X1D

[REDACTED]

MARINA GORKA MRBM LAUNCH SITE 25X1D

UR 5326N 02745E

NO APPARENT CHANGE SINCE [REDACTED]

NO EVIDENCE OF SITE DISMANTLING OR DESTRUCTION OBSERVED.

25X1D

[REDACTED]

SKRUNDA IRBM LAUNCH SITE

UR 5635N 02149E

COMPLETE TYPE IV IRBM LAUNCH SITE. THE WARHEAD FACILITY APPEARS COMPLETE AND CONSISTS OF 1 LARGE DRIVE-IN BUILDING, 1 LARGE SQUARE BUILDING, AND A LARGE

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RECTANGULAR BUILDING. THERE IS 1 POSSIBLE LARGE VEHICLE ON THE ROAD IN FRONT OF THE LARGE SQUARE BUILDING. A MOUNDED BUNKER IS ALSO PRESENT IN THE FACILITY. TWO LARGE BUILDINGS AND 4 SMALL BUILDINGS HAVE BEEN CONSTRUCTED ADJACENT TO THE FRONT END OF THE LAUNCH SITE. A LARGE POSSIBLE VEHICLE IS PARKED PERPENDICULAR TO THE RIGHT FORWARD SILO AND ANOTHER LARGE POSSIBLE VEHICLE IS ON THE ROAD BETWEEN THE LEFT FORWARD AND LEFT REAR SILOS.

25X1D

GRANOV IRBM LAUNCH SITE 2

25X1D

UR 4849N 02929E

NO APPARENT CHANGE SINCE

POOR-QUALITY, NON-STEREO PHOTOGRAPHY PRECLUDES DETERMINATION OF CONSTRUCTION PROGRESS ON RIM FACILITY. NO NEW CONSTRUCTION OBSERVED.

25X1D

25X9

GURLEVO MRBM LAUNCH SITE

25X1D

UR 5925N 02852E

NO APPARENT CHANGE SINCE

25X9

25X1D

RUDNYA ZLOTINSKAYA MRBM LAUNCH SITE

UR 5104N 02807E

25X1D

NO APPARENT CHANGE SINCE

25X1D

LIELELEVA MRBM LAUNCH SITE

UR 5624N 02336E

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25X1D

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25X1A

VAINODE IRBM LAUNCH SITE 25X1D UR 5628N 02150E

NO APPARENT CHANGE SINCE [REDACTED]

25X9

25X1D

ZHURAVKA IRBM LAUNCH SITE 25X1D UR 5436N 07640E

NO APPARENT CHANGE SINCE [REDACTED]

POOR QUALITY, OBLIQUITY, SNOW AND HAZE PRECLUDE
POSITIVE DETERMINATION OF THE STATUS OF STRUCTURES IN
THE LAUNCH SITE.

25X1D

KALNIK IRBM LAUNCH SITE 25X1D UR 4859N 02922E

NO APPARENT CHANGE SINCE [REDACTED]

25X9

25X1D

CONSTRUCTION CONTINUES ON [REDACTED]
PROBABLE STEAM LINE. AN UNIDENTIFIED BUILDING IS NOW
OBSERVED UNDER CONSTRUCTION IN THE SW CORNER OF THE
SUPPORT AREA.

KAPUSTIN YAR/VLADIMIROVKA MSL TEST CTR UR 4835N 04545E

THE ENTIRE KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST
CENTER WAS COVERED BY CLEAR, FAIR- TO GOOD-QUALITY
PHOTOGRAPHY.

25X1D

NEW UNIDENTIFIED CONSTRUCTION ACTIVITY OBSERVED
APPROXIMATELY 0.5 NM NORTH OF THE FORMER ROCKET LAUNCH
COMPLEX AT 48-39N 045-46E. THIS ACTIVITY WAS NOT
PRESENT ON [REDACTED] IT IS
ROAD-SERVED FROM A RAIL TRANSLOADING FACILITY WHICH
FORMERLY SERVED THE ROCKET LAUNCH COMPLEX. SIMILAR
CONSTRUCTION ACTIVITY IS ALSO OBSERVED AT THE TYURATAM
MISSILE TEST CENTER AND APPARENTLY BOTH ACTIVITIES WILL
BE IDENTICAL WHEN COMPLETE.

THIS ACTIVITY CONSISTS OF A GEOMETRIC CONFIGURATION OF

TOP SECRET CHESS RUFF

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EXCAVATIONS, DITCHES AND SCARS. THE LONGEST LINE, CONSIDERED TO BE A BASE LINE, HAS A NE/SW ORIENTATION. A DITCH/SCAR APPROXIMATELY 1,550 FT LONG EXTENDS FROM EITHER SIDE OF THE BASE LINE FROM A POINT APPROXIMATELY 750 FT FROM THE NE END. EACH DITCH/SCAR IS LAID OUT AT THE SAME ANGLE FROM THE BASE LINE, APPROXIMATELY 65 DEGREES. AT THE NE END OF THE BASE LINE THERE IS A SQUARE PATTERN MEASURING APPROXIMATELY 300 FT ON A SIDE WITH CIRCULAR EXCAVATIONS AT EACH CORNER AND IN THE CENTER. CORNER-TO-CORNER DISTANCE IS APPROXIMATELY 430 FT. THERE ARE AT LEAST 4 STRUCTURES UNDER CONSTRUCTION ADJACENT TO THE BASE LINE.

25X1D

SAM FACILITIES -- THE DOUBLE SECURITY FENCE AND THE BUILDING PREVIOUSLY REPORTED UNDER CONSTRUCTION IN THE SECURED AREA SW OF THE PROBABLE LAUNCH AREA NOW APPEAR COMPLETE. NO APPARENT CHANGE SINCE [REDACTED] OBSERVED IN THE REMAINDER OF THE SAM FACILITIES. VEHICLES/EQUIPMENT ARE IN THE SAM R&D, SA-1 (HERRINGBONE), SA-2, AND SA-3 LAUNCH AREAS, THE HOUSING AND SUPPORT AREA AND THE SAM MARSHALLING AREA.

25X1D

25X1D

ELECTRONICS SITE -- NO APPARENT CHANGE SINCE MISSION [REDACTED]

25X1D

TEST AND SUPPORT COMPLEX -- NO APPARENT CHANGE SINCE [REDACTED] AT LEAST 7 PROBABLE TANK CARS ARE IN THE PROPELLANT HANDLING AND STORAGE AREA, AND 4 CRATES/CANISTERS ARE IN THE RAIL-SERVED SECURED SUPPORT AREA BETWEEN THE PROPELLANT HANDLING AND STORAGE AREA AND THE TEST STAND.

25X1D

KAPUSTIN YAR AIRFIELD -- NO APPARENT CHANGE SINCE [REDACTED] AIRCRAFT INCLUDE 12 CAB, 3 CRATE, 9 LIGHT STRAIGHT-WING AND 8 POSSIBLE LIGHT HELICOPTERS.

SSM FACILITIES.

LAUNCH COMPLEX H -- AN UNIDENTIFIED OBJECT IS OBSERVED AT THE END OF THE SOUTHERN PAD.

25X1D

LAUNCH COMPLEX E (SITE 3) -- NO APPARENT CHANGE SINCE [REDACTED]

25X1D

LAUNCH COMPLEX A -- NO APPARENT CHANGE SINCE MISSION [REDACTED]

LAUNCH COMPLEX B -- NO APPARENT CHANGE SINCE MISSION

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25X1D

25X1D

TROOP TRAINING AREA -- NO APPARENT CHANGE SINCE MISSION
VEHICLES/EQUIPMENT OBSERVED IN 4 MOTOR POOLS.

25X1D

COMPLEX C HOUSING, ADMINISTRATION AND SERVICE AREAS --
NO APPARENT CHANGE SINCE
VEHICLES/EQUIPMENT NOTED IN THE MOTOR POOLS.

SSM BIVOUAC AREA -- NUMEROUS VEHICLES/PIECES OF
EQUIPMENT PARKED ON THE HARDSTANDS IN THE MOTOR POOL.

LAUNCH COMPLEX D (SITE 1) AND D FINAL ASSEMBLY AND
CHECKOUT AREA -- NO APPARENT CHANGE SINCE

25X1D

25X1D

LAUNCH COMPLEX G -- NO APPARENT CHANGE SINCE MISSION

25X1D

PROBABLE MISSILE ASSEMBLY AND CHECKOUT AREA -- NO
APPARENT CHANGE SINCE

25X1D

UNIDENTIFIED INSTALLATION NORTH OF COMPLEX C -- NO
APPARENT CHANGE SINCE

LAUNCH COMPLEX C (SITES 2, 4-9).

LAUNCH AREA 1C (SITE 7) -- THE 2 RAIL-SERVED LAUNCH
PADS 1C-2 AND 1C-3 ARE NOW ALSO ROAD-SERVED. A
RAIL-SERVED PROBABLE ERECTOR/LAUNCHER CAN NOW BE SEEN
ON EACH PAD. EQUIPMENT/VEHICLES ARE ALSO PRESENT ON
THE OLDER LAUNCH PAD 1C-1.

LAUNCH AREA 2C (SITE 6) -- AN SS4/SS5 MISSILE EXERCISE
IS UNDERWAY ON THE SOUTHERN PAD. A MISSILE TRANSPORTER
AND AN ERECTOR ARE POSITIONED ON THE PAD, AS ARE
SEVERAL PROBABLE SUPPORT VEHICLES.

LAUNCH AREA 3C (SITE 5) -- A PROBABLE MISSILE EXERCISE
IS TAKING PLACE WITH SEVERAL VEHICLES/PIECES OF
EQUIPMENT PRESENT ON THE LAUNCH PAD AND ADDITIONAL
EQUIPMENT PRESENT ON THE SOUTHWESTERN DUMBELL PAD.

25X1D

LAUNCH AREA 4C (SITE 4) -- MODIFICATION/CONSTRUCTION IS
STILL CONTINUING AT LAUNCH SITE 4C-1. THE SW SILO IS
OPEN, THE EXCAVATION TO THE SW HAS NOT BEEN BACKFILLED
AND A TALL STRUCTURE IS AGAIN POSITIONED OVER THE NE
SILO. THE FORMER 4C SUPPORT AREA IS NOW COMPLETELY
RAZED. NO APPARENT CHANGE SINCE
IN LAUNCH
SITE 4C-2. VEHICLE/EQUIPMENT IS PRESENT AT SE SILO.

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LAUNCH AREA 5C (SITE 2) -- THE SOUTHERN PAD AT LAUNCH SITE 5C-1 IS EITHER BEING DISMANTLED OR UNDERGOING EXTENSIVE MODIFICATION AS EVIDENCED BY SCARRING ACTIVITY. VEHICLES/EQUIPMENT ARE PRESENT AT THE NORTHERN PAD AND IN THE 2 HARDSTANDS.

25X1D

MISSILE STORAGE AND HANDLING AREA -- NO APPARENT CHANGE SINCE [REDACTED]

25X1A

FOR AIRCRAFT COUNT AT AKHTUBINSK FLIGHT TEST CENTER, SEE COMOR TARGET NO [REDACTED] OAK PART II.

25X1D

PHOTO REFERENCES FOR SIGNIFICANT ITEMS FOLLOW --

NEW U/I CONST ACTIVITY -- [REDACTED]
SECURED AREA SE OF SAM PROB LAUNCH AREA - [REDACTED]

25X1D

25X1D



25X1A

SARY-SHAGAN ANTIMISSILE TEST CENTER

UR 4602N 07334E [REDACTED]

25X1A

ALL FACILITIES AT THE TEST CENTER EXCEPT SITE 13 AND THE POSSIBLE FIELD LAUNCH POINT ARE COVERED ON 2 PASSES BY STEREO PHOTOGRAPHY LIMITED BY HAZE AND IMAGE QUALITY. CERTAIN AREAS WITHIN LAUNCH COMPLEXES A (SITE [REDACTED])

25X1D

[REDACTED] SHOW EVIDENCE OF ACTIVITY SINCE [REDACTED] AT LAUNCH COMPLEX A, SITES 1

25X1D

AND 2 AND ELECTRONIC SITE A DO NOT APPEAR TO HAVE CHANGED APPRECIABLY SINCE [REDACTED] EXCEPT FOR THE MOVEMENT OF CERTAIN VEHICLES.

THE 5 LAUNCH POSITIONS AND THE SINGLE HARDSTAND ALONG THE OUTER SERVICE ROAD AT SITE 1 REMAIN OCCUPIED. A SLIGHT SHIFTING OF VEHICLES HAS OCCURRED ALSO AT LAUNCH SITES 3 AND 4 AND ELECTRONIC SITE B SINCE [REDACTED] AT POSITIONS 5 AND 6, LAUNCH SITE 3, THE 2 OBJECTS/EQUIPMENT REMAIN DEPLOYED AT THE EAST END OF THE POSITION AS OBSERVED ON [REDACTED]

25X1D

25X1D

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ONE PROBABLE PIECE OF EQUIPMENT IS POSITIONED AT THE WEST END OF POSITION 5, AND 1 AND PROBABLY 2 PIECES OF EQUIPMENT AT THE WEST END OF POSITION 6.

25X1D

THE 105-FT-LONG OBJECT/VEHICLE OBSERVED ON MISSION [REDACTED] JUST NORTH OF THE REVETMENT ON THE ROAD PARALLELING THE ACCESS ROAD TO ELECTRONIC SITE B HAS DISAPPEARED. NO SIGNIFICANT CHANGE IS APPARENT SINCE [REDACTED]

25X1D

[REDACTED] AT LAUNCH SITES 5 AND 6, ELECTRONIC SITES C AND D, THE MISSILE STORAGE AND CHECKOUT AREA, AND THE HEADQUARTERS AND ADMINISTRATION AREA.

25X1D

25X1D

AT LAUNCH COMPLEX B, FACILITY A AND THE SUPPORT AREA REMAIN ESSENTIALLY UNCHANGED SINCE [REDACTED]

[REDACTED] AT FACILITY B, 2 PROBABLE VEHICLES ARE PARKED ADJACENT TO PAD B-2 AND AN OBJECT/VEHICLE IS OBSERVED ON A SLIGHTLY WIDENED SECTION (50 FT WIDE) OF THE 2 LOOP ROADS. THE ENVIRONMENTAL SHELTERS REMAIN ON THE ROOFS OF THE 2 SMALL TRIAD BUILDINGS. THE

25X1D

25X1D

APPROXIMATELY [REDACTED] DIAMETER, TOWER-MOUNTED, DISH ANTENNA, WHICH, ON [REDACTED] WAS REMOVED FROM THE ROOF OF THE LARGE TRIAD BUILDING REMAINS ON THE GROUND ADJACENT TO THE NW CORNER. SINCE THE SAME COVERAGE THE RINGLIKE STRUCTURES ON THE GROUND ADJACENT TO THE BUILDING HAVE BEEN PLACED ON THE ROOF OF THE BUILDING ENCLOSING THE TOWER, THUS FORMING A CYLINDER APPROXIMATELY 110 FT IN DIAMETER AND 55 FT ABOVE THE BUILDING. ADJACENT TO THE SE CORNER OF THE BUILDING IS A RINGED LIGHT-TONED CAP APPROXIMATELY 90 FT WIDE. THIS CAP WILL PRESUMABLY BE MOUNTED ON THE CYLINDER. AFTER THE DISH ANTENNA HAS BEEN REMOUNTED ON THE TOWER. A CRANE IS POSITIONED BESIDE THE CAP.

25X1D

NO CHANGE IS APPARENT SINCE [REDACTED] IN THE BUILDING TRIAD AREAS AT INSTRUMENTATION SITES 2 AND 10. ELECTRONIC EQUIPMENT HAS NOT BEEN IDENTIFIED TO DATE ON THE TRIAD BUILDINGS AT THESE 2 SITES. A SECOND BUILDING TRIAD HAS NOT APPEARED AT ANY OF THE 4 TRIAD SITES AT THE TEST CENTER AS IS THE CASE AT 2 OF THE TRIAD SITES AT MOSCOW. THE [REDACTED] DOME REMAINS IN POSITION ON THE 135 X 125-FT BUILDING AT INSTRUMENTATION SITE 2. THE STATUS OF THE 110-FT DOMES WHICH WERE REMOVED AT INSTRUMENTATION SITES 3 AND 10 IS UNCHANGED. AT INSTRUMENTATION SITE 6 THE 110-FT DOME REMAINS STANDING.

25X1D

THE ANTENNA FACE OF THE HEN HOUSE IN THE SUPPORT BASE REMAINS DARK IN TONE. NO FACILITIES HAVE BEEN

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CONSTRUCTED AT THE PRESENT TERMINAL POINT OF THE NEW ROAD EXTENDING GENERALLY SW. FROM INSTRUMENTATION SITE 2. THE SAM TRAINING CENTER REMAINS INACTIVE. NO SIGNIFICANT CHANGE IS APPARENT AT THE MAIN HOUSING AREA, THE PRIMARY AIRFIELD, THE LONG DIRT STRIP, THE NEW AIRSTRIP, THE HEN ROOST ANTENNAS, AND INSTRUMENTATION SITES 1 AND 11 SINCE [REDACTED]

25X1D

25X1D

25X1D

[REDACTED] OR AT INSTRUMENTATION SITES 4, 5, 7, 8, 9, AND 12 SINCE [REDACTED] IDENTIFICATION ONLY IS POSSIBLE ON POSSIBLE INSTRUMENTATION SITES 14 AND 15 AND THE UNIDENTIFIED FACILITY BETWEEN THE 2 SITES.

PHOTO REFERENCES FOR SIGNIFICANT ITEMS ON [REDACTED] FOLLOW --

25X1D

LAUNCH COMPLEX A -- [REDACTED]

LAUNCH COMPLEX B -- [REDACTED]

INSTRUMENTATION SITE [REDACTED]

INSTRUMENTATION SITE [REDACTED]

INSTRUMENTATION SITE [REDACTED]

INSTRUMENTATION SITE [REDACTED]

HEN HOUSE ANTENNA -- [REDACTED]

25X1D

25X1D

PAO-TOU SAM SITE

CH. 4045N 11004E

BONUS 1

9.5 NM NNE OF PAO-TOU AT 40-45-20N 110-04-30E.

COMPLETED SA-2 SAM SITE IS NEWLY IDENTIFIED.

SITE CONSISTS OF 4 FENCED LAUNCH POSITIONS, 3 OF WHICH ARE OCCUPIED. THE CENTRAL GUIDANCE AREA IS ALSO OCCUPIED. APPROXIMATELY 46 PROBABLE TENTS ARE LOCATED IN THE IMMEDIATE VICINITY OF THE SITE.

(SEE ATTACHMENT)

25X1D

DJAKARTA SAM SITE

ID 0614S 10639E

BONUS 2

11.5 NM WSW OF DJAKARTA AT 06-14-50S 106-39-00E.

NEWLY IDENTIFIED COMPLETED SA-2 SAM SITE WITH IRREGULAR CONFIGURATION. OCCUPANCY UNDETERMINED.

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25X1D

PAO-TOU PROBABLE SAM SITE

CH 4114N 10941E BONUS 3

41 NM NNW OF PAO-TOU AT 41-14-10N 109-41-00E.

PROBABLE SA-2 SAM SITE UNDER CONSTRUCTION CONTAINS 3
AND A POSSIBLE 4TH LAUNCH POSITION. THE LAUNCH
POSITIONS ARE PROBABLY FENCED AND UNOCCUPIED. A
PROBABLE GUIDANCE AREA IS UNDER CONSTRUCTION.

25X1D

TOP SECRET CHESS RUFF

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Nuclear Energy

25X2

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COMPLEXES

25X1A

DJAKARTA COMPLEX

ID 0610S 10650E

COMPLEX, APPROXIMATELY 30 SQ MILES IN AREA, CONTAINS RAIL YARDS AND SHOPS, LIGHT INDUSTRY, MILITARY INSTALLATIONS, COMMERCIAL, ADMINISTRATIVE, AND RESIDENTIAL AREAS, 2 AIRFIELDS AND PORT FACILITIES. THE COMPLEX HAS NEVER BEEN COVERED COMPLETELY OR ADEQUATELY ON KEYHOLE PHOTOGRAPHY, THEREFORE NEW MAJOR CONSTRUCTION OR IMPORTANT CHANGES CANNOT BE DETERMINED.

AIRCRAFT (KEMAJORAN AIRFIELD) -- 3 PROBABLE BADGER, 16 POSSIBLE SWEEP-WING FIGHTERS, 5 POSSIBLE C-47/CAB, 2 POSSIBLE CRATE, 1 POSSIBLE CAT/CUB, 1 POSSIBLE VISCOUNT AND 3 LIGHT STRAIGHT-WING.

AIRCRAFT (HALIM PERDANAKUSUMA AIRFIELD) -- 7 POSSIBLE CRATE, 9 POSSIBLE C-47/CAB, 7 MEDIUM STRAIGHT-WING AND 3 LIGHT STRAIGHT-WING.

VESSELS (TANDJUNGPRIOK NAVAL BASE AND PORT) -- 6 POSSIBLE PC, APPROXIMATELY 66 OCEAN-GOING MERCHANT SHIPS AND NUMEROUS SMALLER SURFACE VESSELS.

FOR NEWLY IDENTIFIED SA-2 SAM SITE, SEE MISSILE BONUS 2.

25X1D

Attachments

25X1B

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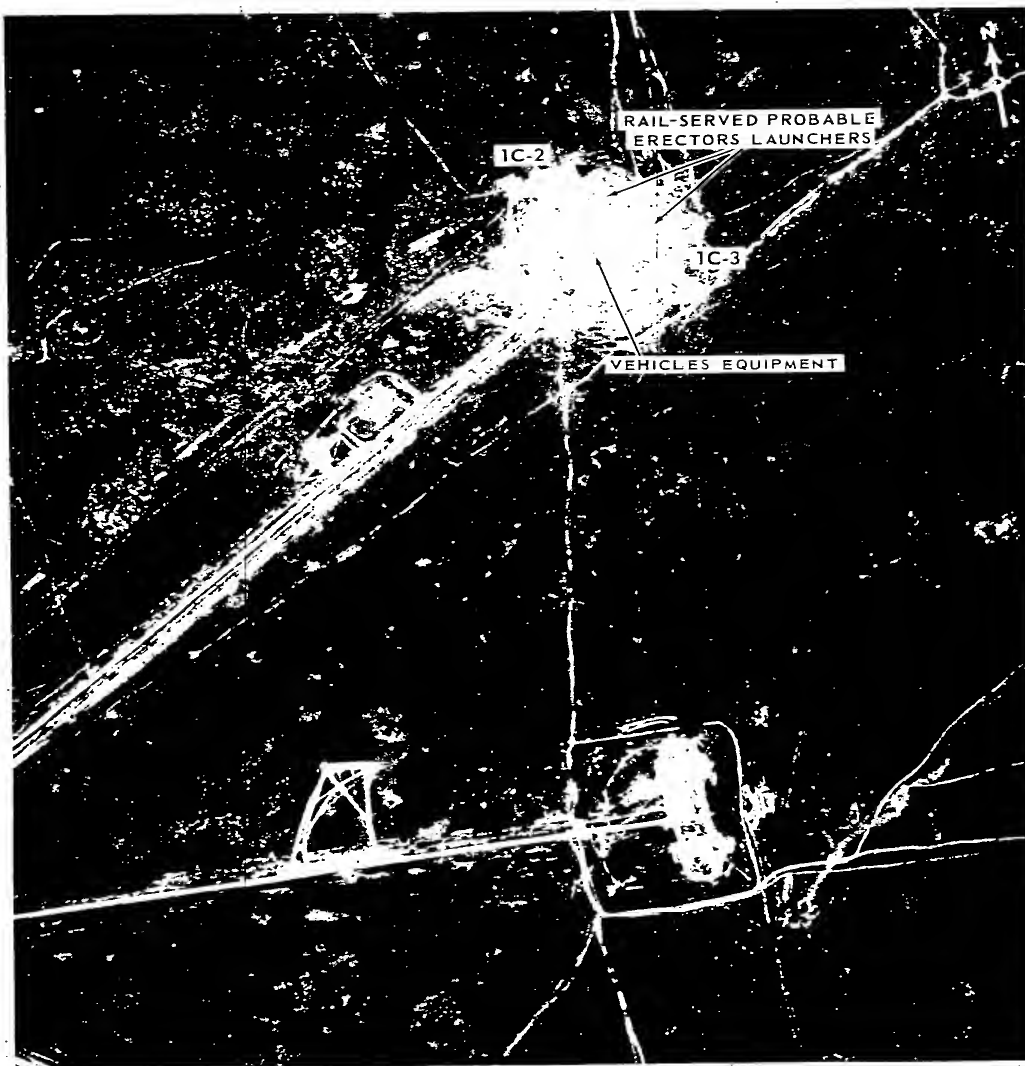
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ATTACHMENT 3



LAUNCH AREA 1C, KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER, USSR

NPIC J-6931 (4/65)

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ATTACHMENT 4



LAUNCH AREA 2C, KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER, USSR

NPIC J-6932 (4/65)

TOP SECRET CHESS RUFF

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ATTACHMENT 5



LAUNCH AREA 3C, KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER, USSR

NPIC J-6993 (4/65)

TOP SECRET CHESS RUFF

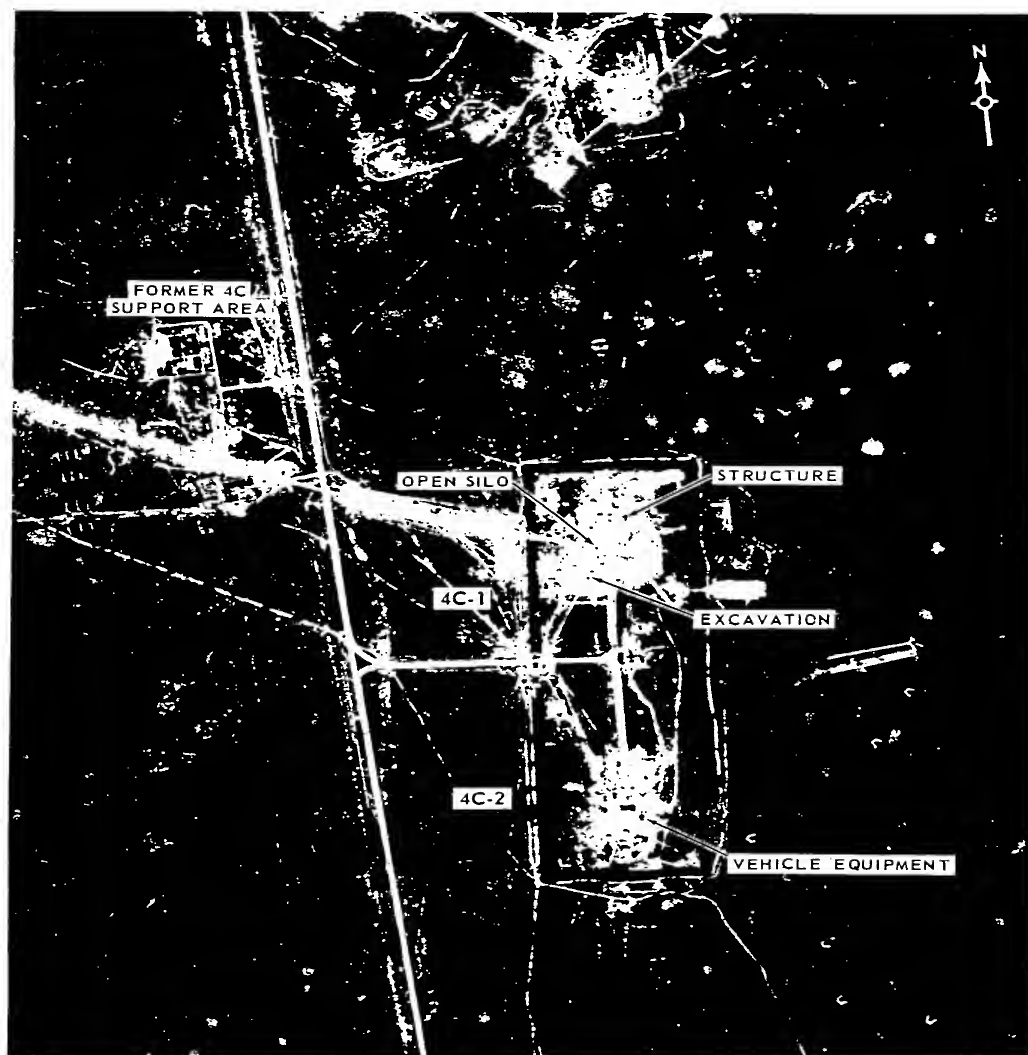
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ATTACHMENT 6



LAUNCH AREA 4C, KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER, USSR

NPIC J-6934 (4/65)

TOP SECRET CHESS RUFF

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ATTACHMENT 7



NPIC J-6935 (4/65)
LAUNCH AREA 5C, KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER, USSR

TOP SECRET CHESS RUFF

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ATTACHMENT 8



SA-2 SAM SITE, PAO-TOU, CHINA

NPIC J-6937 (4/65)

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TOP SECRET

TOP SECRET